

ISOBELL KLIMA

Adhesive and plaster compound in acrylic paste, lightened with perlite

TECHNICAL DATA SHEET COMPILATION DATE: 01/10/2025 REV.1

PRODUCT DESCRIPTION

Adhesive and finishing skim coat in ready-to-use acrylic paste, specifically formulated for the ISOBELL® protection system in interior applications. Thanks to the presence of perlite in the mix and controlled-grain aggregates, it combines excellent breathable and insulating properties, making it ideal for treating cold walls prone to condensation and mould. It helps increase the surface temperature of masonry, preventing the formation of surface moisture and improving indoor comfort. The product, which is not susceptible to mould growth, is also ideal for exterior use when restoring deteriorated walls.

COMPOSITION

Synthetic resin in aqueous emulsion with adhesion promoters, inert materials with controlled granulometric curve of 0,5 mm, lightened with perlite. Contains various additives in concentrations ensuring the fulfillment of physical parameters such as permeability, water repellency, and resistance to biological aggression.

ENVIRONMENTAL CONDITIONS FOR APPLICATION

Temperature: 5 - 30°C;
Relative humidity: max 80%

Application of the product under unsuitable atmospheric conditions negatively influences drying times, compromising the achievement of optimal aesthetic and performance characteristics.

DILUTION AND pH

pH 8,5 . Ready to use.

COVERAGE

Grain 0,5 mm
1.5 – 2.5 kg/m² for adhesion with a 4-5 mm notched trowel;
1.5 – 2.5 kg/m² for finishing and smoothing in two coats.

The yield may vary based on the irregularity of the surfaces to be treated.

CURING TIME

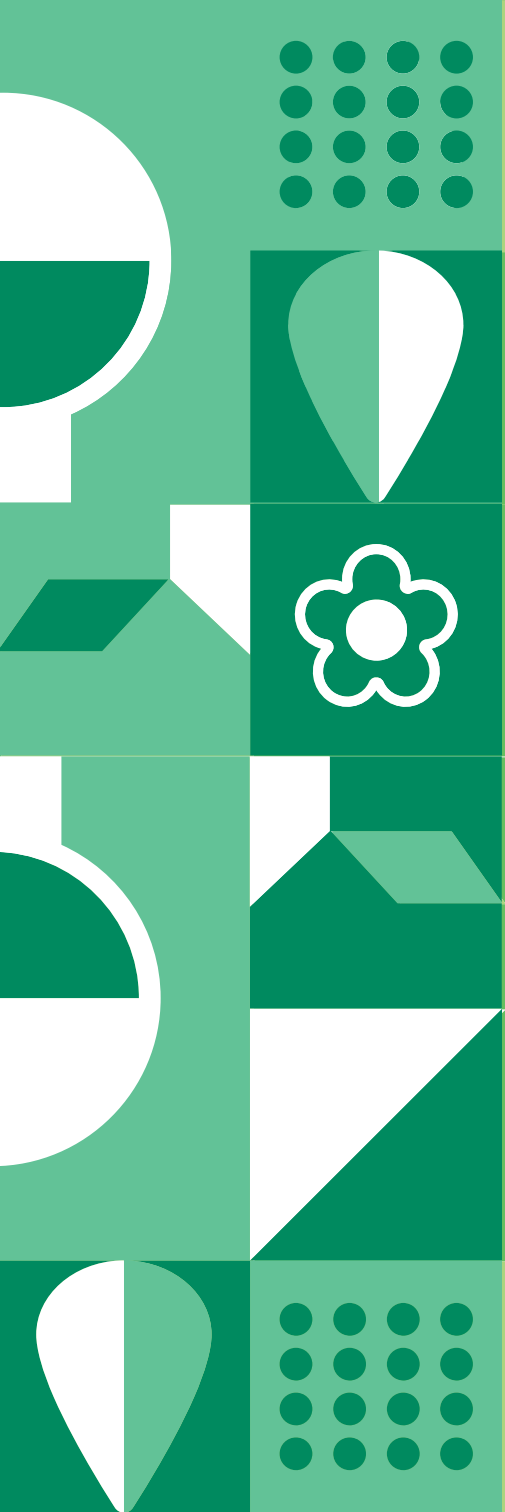
Deep dry*: 24-72 hours *for each mm of thickness

(Data referred to 20°C and 65% relative humidity. Drying times depend strictly on humidity and temperature conditions.)

STORAGE AND SHELF LIFE

36 months in original sealed containers stored in a covered environment, protected from direct sunlight at a temperature between +8°C and +35°C. Protect from frost. Exclusion of mixing with other products. Any mixing will alter the characteristics and qualities of the product.





PACK SIZE

KLIMA 15 kg

TOOLS

With a steel and plastic trowel. Clean with water immediately after use.

WHERE TO USE

It can be applied to all types of plaster as well as to the surfaces of all kinds of building artifacts such as concrete, cement mortars, prefabricated, lightweight pre-stressed structures, wood, masonite, faesite, and similar structures. Ideal for both interior and exterior where the restoration of damaged walls and facades is required. Contributes to optimizing energy efficiency and comfort of buildings thanks to its thermal insulation property. For new surfaces, remove any dust, treat with the Silicates-based fixative primer BINDER, while for old surfaces remove dirt and grease, strip off non-adherent and synthetic old paints, scrape, brush until healthy part of the substrate is found and then proceed with impregnation with the fixative and consolidating product BINDER.

APPLICATION

The product is ready to use and should only be stirred slowly before use and can be applied directly to solid and non-chalking plasters (otherwise they should be appropriately prepared and consolidated with the appropriate silicate fixative BINDER). Apply the adhesive to the substrate to be treated with a notched trowel. Subsequently, proceed with the installation of the ISOBELL® membrane. After installation, proceed with smoothing with at least two coats, always with KLIMA using a plastic (or steel) trowel, and then proceed with finishing with suitable breathable paint or for exteriors an appropriately compatible coating.

When used as a sole finish for the restoration of damaged walls, the product can be applied as a restoration mortar or as a decorative trowelled effect. A maximum application of 2 mm per coat is recommended.

For reapplication, allow the first layer to dry completely.

Charateristics	Standard	Parametar	Results
Water vapor transmission	EN ISO 7783-3	μ S_d [m]	175 0,25
Weight	-	kg/m ³	0,95
Thermal conductivity	EN 1745	[W/mK]	0,35
Tests conducted at qualified laboratories			



WARNINGS

- It is recommended to apply the product under favorable climatic conditions as indicated above. In particular, application under extreme temperatures (< 5°C and > 30°C) negatively influences the drying process.
- Due to the physical process of water evaporation, under normal environmental conditions, the product completely dries in approximately 14 days.
- It is possible to add 1-2% of water to the mixture if the product appears excessively viscous.
- Do not apply in case of rain, threat of rain, facades exposed to direct sunlight (use protective sheets on scaffolding), or in the presence of strong wind.
- Do not apply with relative humidity above 80%.
- Do not apply on walls subject to rising damp.
- Do not apply on wet or moist substrates with humidity above 60%.
- Do not apply on substrates treated with enamels, synthetic coatings, or on inconsistent and chalking substrates.

- Do not apply on frozen or thawing substrates.
- Skilled labor is recommended for application.
- Use as is, without adding other materials.
- Acrylic-based and breathable paints are recommended.

The information and instructions above, while corresponding to our best experience, are purely indicative and must be confirmed by exhaustive practical applications. Therefore, before using the product, anyone intending to use it must determine whether it is suitable for the intended use and will assume any responsibility that may arise from its use.

LEGAL NOTICE

The contents of this Technical Data Sheet may be reproduced in another project document, but the resulting document can in no way replace or integrate the valid Technical Data Sheet at the time of product application.

The most updated Technical Data Sheet is available on our website www.isobell.it.

ANY ALTERATION OF THE TEXT OR THE CONDITIONS PRESENT IN THIS TECHNICAL DATA SHEET OR DERIVED FROM IT EXCLUDES THE LIABILITY OF MANIFATTURA DEL SEVESO



Manifattura del Seveso Spa
Via A. Vespucci 20
24046 Osio Sotto BG
info@isobell.it
www.isobell.it



EN 13984:2013